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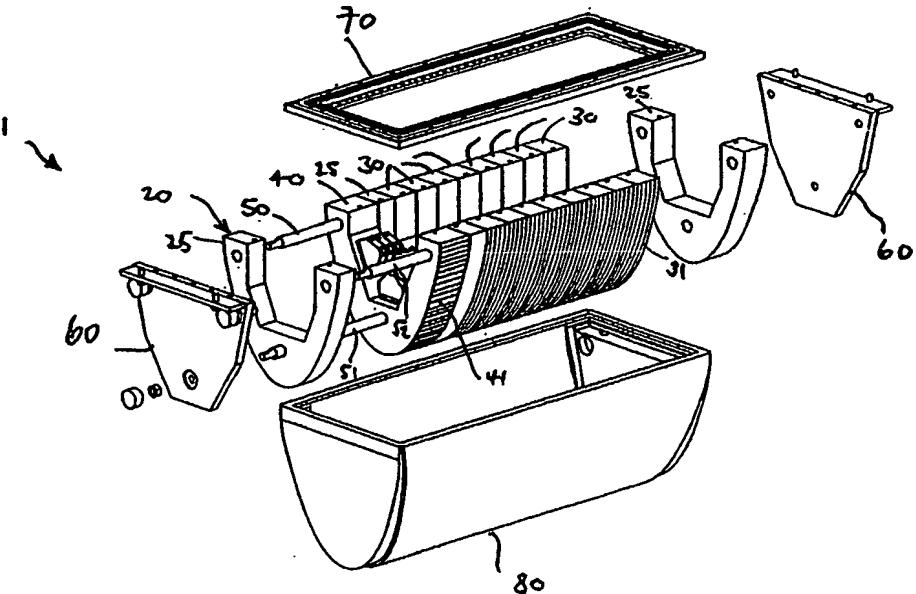
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(54) Title: A SONAR ANTENNA



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(57) Abstract: This invention concerns a sonar antenna. The sonar antenna comprises an axially symmetric acoustic surface having the cross-sectional form of a generally U-shaped curve of non constant curvature. The curve is shaped to allow continuous coherent ensonification such that the power in the echo returned from a uniform flat sea floor is substantially constant. This equipment is used for underwater echo sounding and uses hydro acoustic transducers to ensonify the water and receive echoes.



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